

Qwest Corporation

1020 Nineteenth Street NW, Suite 700 Washington, DC 20036 Phone 202.429.3136 Facsimile 202.296.5157

Kenneth T. Cartmell
Executive Director-Federal Regulatory

July 10, 2000

Mr. Dale Hatfield Chief, Office of Engineering and Technology Federal Communications Commission 445 12th Street, SW, Room 7-C155 Washington, DC 20554

RE:

CFR 47, Section 63.100

Final Service Disruption Report, Park City, UT

PRCYUTMADS0

Dear Mr. Hatfield:

On June 9, 2000, Qwest Corporation¹ (Qwest) experienced a Service outage in Park City, Utah. In accordance with the reporting rules, CFR 47, Section 63.100, enclosed is Qwest's Final Service Disruption Report for this outage.

Please contact me if you have questions concerning this report.

Sincerely,

Attachments

CC:

Mr. Robert Kimball

Mr. Doug Sicker

¹ On June 30, 2000, U S WEST, Inc., the parent and sole shareholder of U S WEST Communications, Inc., merged with and into Qwest Communications International Inc. Further, on July 6, 2000, U S WEST Communications, Inc. was renamed Qwest Corporation.

Final Service Disruption Report

Reporting Company: Qwest Corporation¹

Location of Disruption: Park City, UT PRCYUTMADS0

Date and Time of Incident:

June 9, 2000 at 0945 MDT.

2. Geographic Area Affected:

Park City (PRCYUTMADS0), Heber City (HBCYUTMARS1), Coalville (CLVLUTMARS1), Utah and surrounding communities were affected.

3. Estimated Number of Customers Affected:

Approximately 35,200 Qwest Corporation (Qwest) customers were affected by the outage.

4A. Types of Services Affected:

Interoffice and 911 Services were affected.

4B. 911 Service Affected:

The affected area was isolated from 911. Park City and Heber City were patched to a temporary radio facility for the greater portion of the event; Coalville was isolated until the fiber was restored.

5. Duration of Outage:

Service was restored to more than 33,000 customers within 5-1/2 hours. Splicing was completed and all services restored at 2240 MDT. The total duration of the outage was 12 hours and 55 minutes.

6. Estimated Number of Blocked Calls:

There were approximately 190,000 blocked calls.

7A. Root Cause of the Incident:

The root cause of the incident was a fiber cable cut.

A construction company, working for the state of Utah, severed a Qwest conduit while rebuilding a highway interchange.

7B. Name and Type of Equipment:

144 Strand Fiber Optic Cable 48 Strand Fiber Optic Cable 600 Pair Copper Cable 314 Pair T Screen Cable

7C. Specific Part of Network Affected:

Interoffice transport.

¹ On June 30, 2000, U.S. WEST, Inc., the parent and sole shareholder of U.S. WEST Communications, Inc., merged with and into Qwest Communications International Inc. Further, on July 6, 2000, U.S. WEST Communications, Inc. was renamed Qwest Corporation.

8. Method(s) Used to Restore Service:

The cables were spliced.

9. Steps Taken to Prevent Recurrence of Outage:

The following steps have been or will be taken to prevent recurrence of the outage:

There were cable markers in place on this route, but construction in the area had obscured and/or moved them.

There was a cable locate request for the activity taking place, but it had expired on May 29, 2000.

- The construction company is aware of their responsibilities under the Utah One Call law and will take full responsibility for the damages.
- ◆ The 911 PSAPs in the area were not preprogrammed for automatic reroute for an isolation event. Qwest will contact the PSAP administrators to offer this service.

10A. Applicable Best Practice(s):

Qwest reviewed <u>Network Reliability: A Report to the Nation</u>, June 1993 and evaluated all recommendations and best practices by focus area. Based on the root cause analysis, the most appropriate focus areas are:

Section A - Fiber Optics Cable Dig-Ups

Reference 6.1.1 - Best Practices to Prevent Fiber Cable Damage Caused By Digging

Section B – Signaling Network Systems

Reference 6.1.1 - Root Cause Analysis

Reference 6.2.1.9 – Planning and Provisioning Process for CCS Link Diversity

Section F – E911 Systems

Reference 6.4 Network Management Center

10B. Best Practice(s) Used:

Section A - Fiber Optics Cable Dig-Ups

Reference 6.1.1 - Best Practices to Prevent Fiber Cable Damage Caused By Digging

Section B - Signaling Network Systems

Reference 6.1.1 - Root Cause Analysis

Reference 6.2.1.9 – Planning and Provisioning Process for CCS Link Diversity

Section F – E911 Systems

Reference 6.4 Network Management Center

10C. Analysis of Effectiveness of Best Practice(s):

Section A - Fiber Optics Cable Dig-Ups

Reference 6.1.1 – Best Practices to Prevent Fiber Cable Damage Caused By Digging – Call-before-you-dig and Locate the cable.

This recommendation describes cable locate requirements and damage prevention measures, including enforcement of federal and state "call-before-you-dig" legislation and underground facility damage prevention laws.

In this event, a cable locate was requested and performed, but had expired.

Section B - Signaling Network Systems

Reference 6.1.1 - Root Cause Analysis

While this recommendation is specific to Signaling Networks, Qwest currently requires a root cause analysis on all significant network failures.

Reference 6.2.1.9 – Planning and Provisioning Process for CCS Link Diversity

This practice recommends a planning and provisioning process for SS7 link diversity. Qwest has managers within the SS7 organization assigned to such a process. In addition, Qwest has a diversity check program that is run on a regular basis to identify locations where diversity might be addressed. In this area, there is a single route to the affected offices. Qwest is currently evaluating the possibility of providing diversity to those offices.

Section F – E911 System

Reference 6.4 Network Management Center

This recommendation describes the use of centralized network management centers to monitor the E911 network as a unique entity, separate from the rest of the network.

Qwest network traffic for E911 trunk groups is monitored in the two regional Network Management Centers. Qwest also has two Regional network Reliability Operations Centers with responsibility for monitoring the health of the network.

Contact Person:

Kenneth Cartmell, Executive Director - Federal Regulatory Qwest Corporation 1020 19th Street, NW, Suite 700 Washington, D.C. 20036 Telephone (202) 429-3136

303 7NO.29129 P.1/1/01

FCC INITIAL REPORT

U S WEST - Large Scala Abnormal Condition Report (LSACR) Service Disruption Report

[X] 120 MINUTE REPORT [] 3 DAY REPORT	ACR #: UT. 000609.003		
Date Of Incident: 06-09-00 Time Of Incident	: 0945 MBT		
Geographic Area Directly Affected: PARK CITY, UTAH			
CLLI code(s) for affected area: PRCYUTMADS & Estimated Number of Customers Affected: 35/64 [1.e. Access lines in the switch, LATA(s) or States(s)] Types of Services Affected (e.g. Local, Toll, 800, 911, FAA, etc.): 70LL Q// Duration of Outage (Hours & Minutes): ONGOING Estimated Number of Blocked Calle: ONGOING Apparent Cause of Incident: FIBER CABLE CUT Method Used to Restore Service: REROUTES 4- ONGOING			
		Steps Taken to Prevent Recurrence: UNDER INVESTIGATION	
		CONTACT PERSON: Kenneth Cartmell-Exec. Dir-Fed Regulatory Ph: 202-429-3136 U.S. WEST	
		1020 19th Street NW Suite 700	, washington, D. C. 20036 -or-
		Tim Mason Vice President - NROC Ph:(303) 707-5100 U S WEST	Dave Rygh Director - Network Management Center Ph: 303-707-5608 U S WEST
		700 W. Mineral, Littleton, CO 80120	700 W. Mineral, Littleton, Co 80120
		Date Reported to FCC: 06-09-00	Time Reported to FCC: 1/25 MDT (Include AM/PM, Time Zone)
		Person Faxing Report: DAVID C. YOUNG	Time Confirmed with FCC:
Telephone Number: 800 879 1200	FCC Contact Name:		

PRI PAX: Monitoring Watch Officer (202) 418-2812-Confirm at (202) 632-6975

Secondary FAX: Monitoring Watch Officer (301) 725-2571 - Confirm at (301) 725-2278

(To be used only at the direction of the Primary Fax Monitoring Watch Officer)

Also FAX to: U S WEST Federal Relations Office at (202) 296-5157

Also FAX to: Kazen Eccli/Jane Quigley (303) 707-2229 Also FAX to: Glenda Weibel (206) 345-2129 Also FAX to: Bev Sharpe (303) 694-1719